

REMARKS

Claims 1-20 are pending in the application. Claims 1-20 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Johnston et al. (USP 2003/0048487).

Claims 1, 9, and 17-19 are amended. Claims 7, and 20-23 are canceled. Claims 24-27 are added. No new matter is added. Claims 1-6, 8-19, and 24-27 remain in the case for consideration. Reconsideration is requested. The rejections are traversed.

Drawings

The drawings are objected to for failing to show the features “adjusting a graphic coordinates; scanning direction; preview procedures.” See Office Action, Page 2, Paragraph 1.

The applicant amends FIG. 1 to show the features of “adjusting a graphic coordinate”, “scanning direction”, and “preview procedures” in boxes 26, 18, 16, and 22 respectively. As such, the objection to the drawings should now be withdrawn.

Claim Rejections – 35 U.S.C. § 102

Claims 1-20 stand rejected as being anticipated by Johnston. The Applicant disagrees for the reasons that follow.

Johnston discloses an imaging device, such as the multifunction device 302 of FIG. 3, which performs an initial scan of an image to generate a scanned image preview 404. See Johnston, Page 3, Paragraph [0043], lines 1-3. Specifically, Johnston discloses driving the image recognition component to scan an image, such as for a flatbed scanner. See Johnston, Page 3, Paragraph [0040], lines 6-9. Johnston further discloses that a region of the scanned image preview 404 may be retained for a final-scan of the image data to generate a final scanned image. See Johnston, Page 3, Paragraph [0047], lines 1-5. Johnston’s final-scan of the image data is a virtual scan of the image, rather than driving the image recognition component to again scan the image to generate a final scanned image. See Johnston, Page 4, Paragraph [0050], lines 9-12. During the final-scan of the image data, Johnston interpolates the image data to improve and/or optimize the resolution of the image region selected to be retained. See Johnston, Page 3, Paragraph [0051], lines 1-4. In other words, Johnston does not perform any actual scanning during the final-scan of the image, only a virtual scan is carried out. Put yet another way, Johnston only scans an image once in a single direction to generate a scanned image preview,

and then performs a virtual scan for the image region selected from the scanned image preview to generate a final scanned image.

In contrast, claim1 recites “a two-directions scanning method, comprising moving a scan head along a first scanning direction to proceed with a first scanning procedure using a first dpi, wherein a first image is obtained from said first scanning procedure; moving said scan head along a second scanning direction to proceed with a second scanning procedure in a second dpi, wherein a second image is obtained from said second scanning procedure; ... wherein the first scanning direction is generally opposite to the second scanning direction.” Claim 9 recites similar features as claim 1.

Johnston does not disclose a two-directions scanning method as recited in claim 1. Johnston discloses a one-direction scanning method, in which an image is only scanned once in a single direction by driving an image recognition component to generate a scanned image preview.

Johnston does not anticipate all of the features set forth in claims 1 and 9, much less in their dependent claims. Claims 1-6 and 8-19 are in condition for allowance.

New Claims

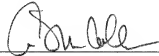
Claims 24-27 are added. No new matter is added. Among the newly added claims, claims 24-25 recite similar features. Support for claims 24-25 can be found in the Abstract, and paragraph [0024] of the Published Specification. Claim 26 recites another two-directions scanning method. Support for claim 26 can be found in paragraph [0024] and FIG. 1. Claim 27 recites similar features as claim 1, but in a different format. Claims 24-27 are in condition for allowance.

CONCLUSION

For the foregoing reasons, reconsideration and allowance of all pending claims is requested. The Examiner is encouraged to telephone the undersigned at 503-222-3613 if it appears that an interview would be helpful in advancing the case.

Respectfully submitted,

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Annotated Sheet Showing Changes

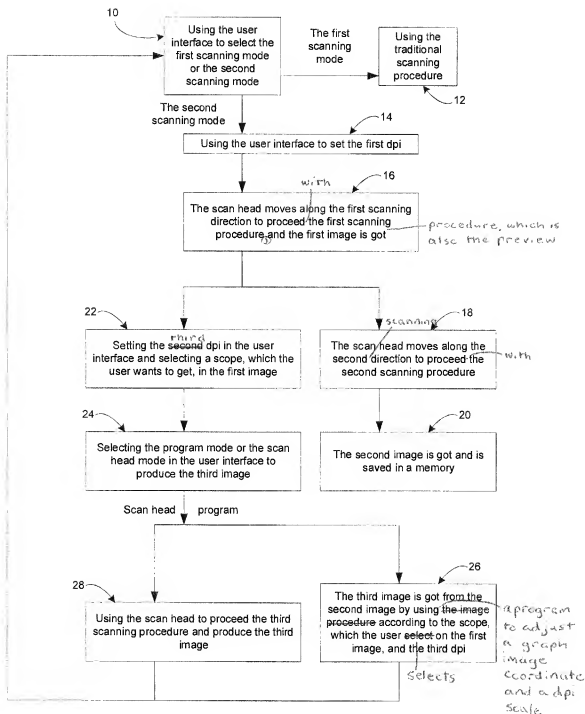


FIG. 1